



SEQUENCE LISTING

<110> Millennium Pharmaceuticals, Inc.
McCarthy, Sean A.
Bossone, Steven

<120> SECRETED PROTEINS AND NUCLEIC ACIDS ENCODING THEM

<130> MBI01997-018DV1ACN1M

<140> US 09/993,179

<141> 001-11-06

<150> 09/436,183

<151> 1999-11-08

<150> 08/966,269

<151> 1997-11-07

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 517

<212> DNA

<213> Homo Sapiens

<220>

<221> CDS

<222> (368)...(517)

<400> 1

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tgctgaagag gatcttcgga gccgctctgg cccccaggcg ctggatgact ggcaccagcg 180
ctcctcgcac ctgtgttggt gtgtgagact tgggctggag tgcccacgtg gctgtggagt 240
cagtgtgatt catgattgag gaaacgcgtc ctccatcctc tctctccttg gcactttcca 300
cacatgagga gaagaagagc ttctgtttag aagacacgtg cccagagtca gaggccccctt 360
gcccacc atg aag gga acc tgt gtt ata gca tgg ctg ttc tca agc ctg 409
      Met Lys Gly Thr Cys Val Ile Ala Trp Leu Phe Ser Ser Leu
        1             5             10
```

```
ggg ctg tgg aga ctc gcc cac cca gag gcc cag ggt acg act cag tgc 457
Gly Leu Trp Arg Leu Ala His Pro Glu Ala Gln Gly Thr Thr Gln Cys
  15             20             25             30
```

```
cag aga aca ctc gag gtg aat att gtt tcc ccc agc tcc aag gca aca 505
Gln Arg Thr Leu Glu Val Asn Ile Val Ser Pro Ser Ser Lys Ala Thr
      35             40             45
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ttc agt cca agt 517
Phe Ser Pro Ser
      50
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<210> 2
 <211> 50
 <212> PRT
 <213> Homo Sapiens

<400> 2
 Met Lys Gly Thr Cys Val Ile Ala Trp Leu Phe Ser Ser Leu Gly Leu
 1 5 10 15
 Trp Arg Leu Ala His Pro Glu Ala Gln Gly Thr Thr Gln Cys Gln Arg
 20 25 30
 Thr Leu Glu Val Asn Ile Val Ser Pro Ser Ser Lys Ala Thr Phe Ser
 35 40 45
 Pro Ser
 50

<210> 3
 <211> 506
 <212> DNA
 <213> Homo Sapiens

<220>
 <221> CDS
 <222> (132)...(506)

<400> 3
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 ccaagttggg atccgaattc ggcacgagcg gcacgagttg tgcttcggag accgtaagga 120
 tattgatgac c atg aga tcc ctg ctc aga acc ccc ttc ctg tgt ggc ctg 170
 Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu
 1 5 10
 ctc tgg gcc ttt tgt gcc cca ggc gcc agg gct gag gag cct gca gcc 218
 Leu Trp Ala Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala
 15 20 25
 agc ttc tcc caa ccc ggc agc atg ggc ctg gat aag aac aca gtg cac 266
 Ser Phe Ser Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His
 30 35 40 45
 gac caa gag cat atc atg gag cat cta gaa ggt gtc atc aac aaa cca 314
 Asp Gln Glu His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro
 50 55 60
 gag gcg gag atg tcg cca caa gaa ttg cag ctc cat tac ttc aaa atg 362
 Glu Ala Glu Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met
 65 70 75
 cat gat tat gat ggc aat aat ttg ctt gat ggc tta gaa ctc tcc aca 410
 His Asp Tyr Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr
 80 85 90
 gcc atc act cat gtc cat aag gag gaa ggg agt gaa cag gca cca ctc 458
 Ala Ile Thr His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu
 95 100 105
 gag gtg aat att gtt tcc ccc agc tcc aag gca aca ttc agt cca agt 506

Glu Val Asn Ile Val Ser Pro Ser Ser Lys Ala Thr Phe Ser Pro Ser
 110 115 120 125

<210> 4
 <211> 125
 <212> PRT
 <213> Homo Sapiens

<400> 4
 Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu Trp Ala
 1 5 10 15
 Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser Phe Ser
 20 25 30
 Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His Asp Gln Glu
 35 40 45
 His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro Glu Ala Glu
 50 55 60
 Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His Asp Tyr
 65 70 75 80
 Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala Ile Thr
 85 90 95
 His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu Glu Val Asn
 100 105 110
 Ile Val Ser Pro Ser Ser Lys Ala Thr Phe Ser Pro Ser
 115 120 125

<210> 5
 <211> 32
 <212> PRT
 <213> Mus musculus

<400> 5
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 Trp Arg Leu Ala Arg Pro Glu Thr Gln Asp Pro Ala Lys Cys Gln Arg
 20 25 30

<210> 6
 <211> 45
 <212> PRT
 <213> Homo Sapiens

<400> 6
 Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His Asp Tyr
 1 5 10 15
 Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala Ile Thr
 20 25 30
 His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu
 35 40 45

<210> 7
 <211> 28

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 7
 ctcgagctca gagaatcagc aactgtga 28

 <210> 8
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 8
 agatcttcat acttttctca tgttgatttt cc 32

 <210> 9
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 9
 ctcgagggtga atattgtttc ccccagctc 29

 <210> 10
 <211> 36
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 10
 ctcgaggata atggtgaata ttgtttcccc cagctc 36

 <210> 11
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <221> misc_feature
 <222> (1)...(16)
 <223> n = A,T,C or G

 <400> 11
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<210> 12
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 12
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24

<210> 13
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 13
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22

<210> 14
 <211> 32
 <212> PRT
 <213> Homo Sapiens

<400> 14
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 Trp Arg Leu Ala His Pro Glu Ala Gln Gly Thr Thr Gln Cys Gln Arg
 20 25 30

<210> 15
 <211> 108
 <212> PRT
 <213> Homo Sapiens

<400> 15
 Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu Trp Ala
 1 5 10 15
 Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser Phe Ser
 20 25 30
 Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His Asp Gln Glu
 35 40 45
 His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Glu Ala Glu Met
 50 55 60
 Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His Asp Tyr Asp
 65 70 75 80
 Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala Ile Thr His
 85 90 95
 Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu
 100 105